

## CLAIMS

What is claimed is:

1       1. A method for initiating an emergency Internet Protocol request using an Internet  
2       Protocol enabled device having Global Positioning Systems capability, the method  
3       comprising the steps of:

4               monitoring the Internet Protocol enabled device for one or more emergency criteria;  
5       and

6               obtaining global positioning data using the Global Positioning Systems capability and  
7       sending the emergency Internet Protocol request whenever the one or more emergency  
8       criteria are satisfied.

1       2. The method as recited in claim 1, wherein the Internet Protocol enabled device is  
2       selected from a group consisting of a PCMCIA card, a PCI card, an Internet Protocol phone,  
3       a personal data assistant and a computer.

1       3. The method as recited in claim 1, wherein the one or more emergency criteria include  
2       entry of an emergency code, a 911 signal, a panic signal, an emergency activation button, a  
3       sensor alarm or an emergency condition specific signal.

1       4. The method as recited in claim 1, wherein the global positioning data includes  
2       vertical and horizontal coordinates.

1       5. The method as recited in claim 1, wherein the global positioning data includes a  
2       longitude, a latitude and an altitude for the Internet Protocol enabled device.

1       6. The method as recited in claim 1, wherein the step of sending the emergency Internet  
2       Protocol request comprises the steps of:

3               imbedding the global positioning data into a Session Initiation Protocol request; and  
4               sending the Session Initiation Protocol request.

1       7. The method as recited in claim 6, wherein the Session Initiation Protocol request is  
2       sent to an address server.

1       8.     The method as recited in claim 1, further comprising the steps of:  
2            receiving the emergency Internet Protocol request at an address server;  
3            obtaining local emergency services data based on the global positioning data;  
4            dialing a call center station based on the local emergency services data; and  
5            passing an emergency call from the Internet Protocol enabled device to the call center  
6        station.

1       9.     The method as recited in claim 8, wherein the call center station is an emergency  
2        services operator.

1       10.    The method as recited in claim 8, further comprising the step of providing a telephone  
2        number for one or more local emergency service providers to the call center station based on  
3        the local emergency services data.

1       11.    The method as recited in claim 10, wherein the one or more local emergency service  
2        providers are selected from the group consisting of an emergency call center, police, fire,  
3        poison control, emergency medical services, coast guard, military, federal agency and rescue.

1       12.    The method as recited in claim 8, further comprising the step of providing the global  
2        positioning data to the call center station.

1       13.    A method for handling an emergency Internet Protocol request from an Internet  
2        Protocol enabled device having Global Positioning Systems capability, the method  
3        comprising the steps of:

4            receiving the emergency Internet Protocol request containing global positioning data  
5        for the Internet Protocol enabled device;  
6            obtaining local emergency services data based on the global positioning data;  
7            dialing a call center station based on the local emergency services data; and  
8            passing an emergency call from the Internet Protocol enabled device to the call center  
9        station.

1 14. The method as recited in claim 13, wherein the Internet Protocol enabled device is  
2 selected from a group consisting of a PCMCIA card, a PCI card, an Internet Protocol phone,  
3 a personal data assistant and a computer.

1 15. The method as recited in claim 13, wherein the emergency Internet Protocol request is  
2 sent whenever one or more emergency criteria are satisfied.

1 16. The method as recited in claim 15, wherein the one or more emergency criteria  
2 include entry of an emergency code, a 911 signal, a panic signal, an emergency activation  
3 button, a sensor alarm or an emergency condition specific signal.

1 17. The method as recited in claim 13, wherein the global positioning data includes  
2 vertical and horizontal coordinates.

1 18. The method as recited in claim 13, wherein the global positioning data includes a  
2 longitude, a latitude and an altitude for the Internet Protocol enabled device.

1 19. The method as recited in claim 13, wherein the emergency Internet Protocol request  
2 comprises a Session Initiation Protocol request.

1 20. The method as recited in claim 13, wherein the call center station is an emergency  
2 services operator.

1 21. The method as recited in claim 13, further comprising the step of providing a  
2 telephone number for one or more local emergency service providers to the call center station  
3 based on the local emergency services data.

1 22. The method as recited in claim 21, wherein the one or more local emergency service  
2 providers are selected from the group consisting of an emergency call center, police, fire,  
3 poison control, emergency medical services, coast guard, military, federal agency and rescue.

1 23. The method as recited in claim 13, further comprising the step of providing the global  
2 positioning data to the call center station.

1       24. A computer program embodied on a computer readable medium for initiating an  
2       emergency Internet Protocol request using an Internet Protocol enabled device having Global  
3       Positioning Systems capability, the computer program comprising:

4               a code segment for monitoring the Internet Protocol enabled device for one or more  
5       emergency criteria; and

6               a code segment for obtaining global positioning data using the Global Positioning  
7       Systems capability and sending the emergency Internet Protocol request whenever the one or  
8       more emergency criteria are satisfied.

1       25. The computer program as recited in claim 24, wherein the Internet Protocol enabled  
2       device is selected from a group consisting of a PCMCIA card, a PCI card, an Internet  
3       Protocol phone, a personal data assistant and a computer.

1       26. The computer program as recited in claim 24, wherein the one or more emergency  
2       criteria include entry of an emergency code, a 911 signal, a panic signal, an emergency  
3       activation button, a sensor alarm or an emergency condition specific signal.

1       27. The computer program as recited in claim 24, wherein the global positioning data  
2       includes vertical and horizontal coordinates.

1       28. The computer program as recited in claim 24, wherein the global positioning data  
2       includes a longitude, a latitude and an altitude for the Internet Protocol enabled device.

1       29. The computer program as recited in claim 24, wherein the code segment for sending  
2       the emergency Internet Protocol request comprises:

3               a code segment for imbedding the global positioning data into a Session Initiation  
4       Protocol request; and

5               a code segment for sending the Session Initiation Protocol request.

1       30. The computer program as recited in claim 29, wherein the Session Initiation Protocol  
2       request is sent to an address server.

1 31. The computer program as recited in claim 24, further comprising:  
2 a code segment for receiving the emergency Internet Protocol request at an address  
3 server;  
4 a code segment for obtaining local emergency services data based on the global  
5 positioning data;

6 a code segment for dialing a call center station based on the local emergency services  
7 data; and

8 a code segment for passing an emergency call from the Internet Protocol enabled  
9 device to the call center station.

1 32. The computer program as recited in claim 31, wherein the call center station is an  
2 emergency services operator.

1 33. The computer program as recited in claim 31, further comprising a code segment for  
2 providing a telephone number for one or more local emergency service providers to the call  
3 center station based on the local emergency services data.

1 34. The computer program as recited in claim 33, wherein the one or more local  
2 emergency service providers are selected from the group consisting of an emergency call  
3 center, police, fire, poison control, emergency medical services, coast guard, military, federal  
4 agency and rescue.

1 35. The computer program as recited in claim 31, further comprising a code segment for  
2 providing the global positioning data to the call center station.

1       36. A computer program for handling an emergency Internet Protocol request from an  
2 Internet Protocol enabled device having Global Positioning Systems capability, the computer  
3 program comprising:

4           a code segment for receiving the emergency Internet Protocol request containing  
5 global positioning data for the Internet Protocol enabled device;

6           a code segment for obtaining local emergency services data based on the global  
7 positioning data;

8           a code segment for dialing a call center station based on the local emergency services  
9 data; and

10           a code segment for passing an emergency call from the Internet Protocol enabled  
11 device to the call center station.

1       37. The computer program as recited in claim 36, wherein the Internet Protocol enabled  
2 device is selected from a group consisting of a PCMCIA card, a PCI card, an Internet  
3 Protocol phone, a personal data assistant and a computer.

1       38. The computer program as recited in claim 36, wherein the emergency Internet  
2 Protocol request is sent whenever one or more emergency criteria are satisfied.

1       39. The computer program as recited in claim 38, wherein the one or more emergency  
2 criteria include entry of an emergency code, a 911 signal, a panic signal, an emergency  
3 activation button, a sensor alarm or an emergency condition specific signal.

1       40. The computer program as recited in claim 36, wherein the global positioning data  
2 includes vertical and horizontal coordinates.

1       41. The computer program as recited in claim 36, wherein the global positioning data  
2 includes a longitude, a latitude and an altitude for the Internet Protocol enabled device.

1       42. The computer program as recited in claim 36, wherein the emergency Internet  
2 Protocol request comprises a Session Initiation Protocol request.

1       43. The computer program as recited in claim 36, wherein the call center station is an  
2 emergency services operator.

1 44. The computer program as recited in claim 36, further comprising a code segment for  
2 providing a telephone number for one or more local emergency service providers to the call  
3 center station based on the local emergency services data.

1 45. The computer program as recited in claim 44, wherein the one or more local  
2 emergency service providers are selected from the group consisting of an emergency call  
3 center, police, fire, poison control, emergency medical services, coast guard, military, federal  
4 agency and rescue.

1 46. The computer program as recited in claim 36, further comprising a code segment for  
2 providing the global positioning data to the call center station.

1 47. An apparatus comprising:  
2 an Internet Protocol enabled device;  
3 a Global Positioning Systems component within the Internet Protocol enabled device;  
4 and  
5 an emergency Internet Protocol component within the Internet Protocol enabled  
6 device that monitors the Internet Protocol enabled device for one or more emergency criteria,  
7 and obtains global positioning data from the Global Positioning Systems component and  
8 sends the emergency Internet Protocol request whenever the one or more emergency criteria  
9 are satisfied.

1 48. The apparatus as recited in claim 47, wherein the Internet Protocol enabled device is  
2 selected from a group consisting of a PCMCIA card, a PCI card, an Internet Protocol phone,  
3 a personal data assistant and a computer.

1 49. The apparatus as recited in claim 47, wherein the one or more emergency criteria  
2 include entry of an emergency code, a 911 signal, a panic signal, an emergency activation  
3 button, a sensor alarm or an emergency condition specific signal.

1 50. The apparatus as recited in claim 47, wherein the global positioning data includes  
2 vertical and horizontal coordinates.

1 51. The apparatus as recited in claim 47, wherein the global positioning data includes a  
2 longitude, a latitude and an altitude for the Internet Protocol enabled device.

1 52. The apparatus as recited in claim 47, wherein the emergency Internet Protocol request  
2 comprises a Session Initiation Protocol request containing the global positioning data.

1 53. The apparatus as recited in claim 52, wherein the Session Initiation Protocol request  
2 is sent to an address server that obtains local emergency services data based on the global  
3 positioning data, dials a call center station based on the local emergency services data and  
4 passes an emergency call from the Internet Protocol enabled device to the call center station.

1 54. The apparatus as recited in claim 53, wherein the call center station is an emergency  
2 services operator.

1 55. The apparatus as recited in claim 53, wherein the address server further provides a  
2 telephone number for one or more local emergency service providers to the call center station  
3 based on the local emergency services data.

1 56. The apparatus as recited in claim 55, wherein the one or more local emergency  
2 service providers are selected from the group consisting of an emergency call center, police,  
3 fire, poison control, emergency medical services, coast guard, military, federal agency and  
4 rescue.

1 57. The apparatus as recited in claim 53, wherein the address server further provides the  
2 global positioning data to the call center station.

1 58. A system comprising:  
2 an address server;  
3 a database communicably coupled to the address server; and  
4 the address server receiving an emergency Internet Protocol request containing global  
5 positioning data for an Internet Protocol enabled device, obtaining local emergency services  
6 data based on the global positioning data and providing emergency information to one or  
7 more emergency services based on the local emergency services data.

- 1 59. The system as recited in claim 58, further comprising:
  - 2 a communications network communicably coupled to the address server; and
  - 3 one or more Internet Protocol enabled devices communicably coupled to the
  - 4 communications network.
- 1 60. The system as recited in claim 59, wherein the Internet Protocol enabled device is  
2 selected from a group consisting of a PCMCIA card, a PCI card, an Internet Protocol phone,  
3 a personal data assistant and a computer.
- 1 61. The system as recited in claim 59, wherein the emergency Internet Protocol request is  
2 sent whenever one or more emergency criteria are satisfied.
- 1 62. The system as recited in claim 61, wherein the one or more emergency criteria  
2 include entry of an emergency code, a 911 signal, a panic signal, an emergency activation  
3 button, a sensor alarm or an emergency condition specific signal.
- 1 63. The system as recited in claim 59, wherein the global positioning data includes  
2 vertical and horizontal coordinates.
- 1 64. The system as recited in claim 59, wherein the global positioning data includes a  
2 longitude, a latitude and an altitude for the Internet Protocol enabled device.
- 1 65. The system as recited in claim 59, wherein the emergency Internet Protocol request  
2 comprises a Session Initiation Protocol request.
- 1 66. The system as recited in claim 59, wherein the call center station is an emergency  
2 services operator.
- 1 67. The system as recited in claim 59, wherein the address server further provides a  
2 telephone number for one or more local emergency service providers to the call center station  
3 based on the local emergency services data.

1 68. The system as recited in claim 67, wherein the one or more local emergency service  
2 providers are selected from the group consisting of an emergency call center, police, fire,  
3 poison control, emergency medical services, coast guard, military, federal agency and rescue.

1 69. The system as recited in claim 59, wherein the address server further provides the  
2 global positioning data to the call center station.